

Abstract of the Invention

A catalyst composition for preparing polyesters comprises a titanium compound and one or more catalyst enhancers. The titanium compound may be either a titanyl compound of the formula X_mTiOY_o or a titanium salt of the formula X_mTiY_o , where each X is independently selected from the group consisting of H, Li, Na, K, Rb, Cs, Be, Mg, Ca, Sr, Ba and ammonium; $m=0, 1$ or 2 ; Y is a ligand of the formula $C_aH_bO_c$, wherein $a=1$ to 30 , $b=0$ to 60 , and $c=1$ to 10 ; and $o=2, 3$, or 4 . The catalyst enhancer may be selected from either or both of two classes: 1) compounds selected from the group consisting of oxalate and C1-C26 carboxylate salts of Li, Na, K, Rb, Cs, Be, Ca, Mg, Sr, and Ba; and 2) compounds selected from the group consisting of soluble compounds of Al, Co, Zn, and Sn.